

The Oil Field of Parentis in the Aquitanic Basin
(Southwest France), by H. Hlanscheck, 8 pp.

GERMAN, no per, Erd Oel & Kohle, Vol IX, No 2,
1956, pp 65-72.

Tech and Comm Tr

\$130.00

Geo - ~~Physics~~ geophysics
Sci

Aug 56 CTS/Dex

37,275

The Effective and Relative Permeability of Porous
Oil-Bearing Rock, by Ch. Schmid, 4 pp.

GERMAN, no per, Erd Oel & Kohle, Vol IX, No 2, 1956,
pp 73-76.

Tech and Comm Tr

\$80.00

Sci- Books, geophysics

Aug 56 CTS/Dex

37,276

The Rectisol Process for Purification of Pressure
Gases, by W. Harbert, 4 pp.

GERMAN, no per, Erd Oel & Kohle, Vol IX, No 2,
1956, pp 77-81.

Tech and Comm Tr
80.00

Sci - Fuels, ~~manuscript~~

AUG 56 CIB/Dex

37,277

The Influence of the Addition of Metal Oxides on
the Properties of Aluminum Silicate Cracking
Catalysts, by K. A. Fischer, G. Brondos, 6 pp.

GERMAN, no per, Erd Oel & Kohle, Vol IX, No 2,
1956, pp 81-86.

Tech and Comm Tr

\$110.00

Sci - Chemistry, fuels

Aug 56 CTS/Dax

37,278

Contributions to the Study of the Reaction
Mechanism of the Splitting of Gaseous and Liquid
Hydrocarbons for the Production of Industrial
Gases. II. Thermal Catalytic Splitting of
Gaseous and Liquid Hydrocarbons, 5 pp.

GERMAN, mo per, Erd Oel & Kohle, Vol IX, No 2,
1956, pp 93-98.

Tech and Comm Tr

\$90.00

Sci - ~~Chemistry~~, Fuels

37,279

Hydraulic Systems of Modern Drilling Units, by B. Petuc
E. Williams, 5 pp.

GERMAN, no ver, Erd Oel & Kohle, Vol IX, No 2,
1956, pp 103-107.

Tech and Comm Tr
\$100.00

MLs- Germany
Econ -
Sci - Engineering

37,280

The Geology of the Petroleum Deposits in the Sub-
andine Zone of the South American Cordillera, by
H. Gerth, 3 pp.

GERMAN, no par, Erft Cal & Kohle, Vol XX, No 3, 1956,
pp 147-150.

Tech and Comm Dr

Sci-~~State~~, geophysics

Aug 56 CAS/lex

\$60.00

37,281

Calculating the Reserves of Natural Gas Deposits,
by K. Bruening, 2 pp.

~~XXXXXXXXXXXX~~,
GERMAN, no per, Erd Oel & Kohle, Vol IX, No 3, 1956,
pp 150-152.

Tech and Comm Tr

Sci - Fuels, geophysics

\$40.00

Aug 56 CTS/Dex

37,288

New Development of the Hydrocarbon Synthesis (Gas
Reaction in Liquid Phase at Catalyst), by H. Kolbel,
~~and G. Verheij~~, 4 pp.

GERMAN, no per, Brd Oel & Kohle, Vol IX, No3, 1956,
pp 153-156.

GFC

Tech and Comm Tr

Sci - Chemistry

\$80.00

Aug 56 CIB/Dex

37,289

The Reaction Mechanism of the Cleaving of Gaseous
and Liquid Hydrocarbons for the Production of
Industrial Gases, by M. Gerhold, 6 pp.

GERMAN, no per, Erd Oel & Kohle, Vol IX, No 3, 1956, pp 157-162

Tech and Comm Tr

\$110.00

WE - Germany
Sci - Chemistry
Econ -

37,290

Aug 56 CTS/Dex

New Chemical Processes for Sweetening Without Hydrogen,
by P. W. Sherwood, 4 pp.

GERMAN, no per, Erd Oel & Kohle, Vol IX, No 3, 1956,
pp 162-166.

Tech and Comm Tr

Sci - Chemistry

37,291

\$80.00

Aug 56 CTS/Dex

Physical Constants and Structure of Hydrocarbon
Mixtures. New Development of Graphic Statistic
Methods and Their Different Industrial Applications
by H. I. Waterman, 1 pp.

GERMAN, mo per, Erd Oel & Kohle, Vol IX, No 3, 1956,
pp 166-169.

Tech and Comm Tr

\$70.00

Sci - Chemistry

37,292

Aug 56 CTS/DEX

The Rheometry of Lubricant Greases, by H. Umstatter,
2 pp.

GERMAN, mo per, Erd Oel & Kohle, Vol IX, No 3, 1956,
pp 170,171.

Tech and Comm Tr

Sci - ~~Chemistry~~, fuels

\$30.00

Aug 56 CIB/Dex

37,293

Heat Recovery at Distillation Plant of the Petroleum
Industry, by B. B. Riediger, 4 pp.

GERMAN, no per, Erd Oel & Kohle, Vol IX, No 3, 1956,
pp 171-175.

Tech and Comm Tr

\$80.00

WSu - Germany

Econ -

37,294

Aug 56 CTS/ Dex

The Unbalance-Motor as Vibration Drive and Its
Applications,

GERMAN, no per, Erd Oel & Kohle, Vol IX, No 3, 1956,
pp 175-178.

Tech and Comm Tr

37,295

\$30.00

Sci - ~~Engineering~~ Engineering

Aug 56 CTS/Dex

Hydraulic Systems of Modern Deep-Drilling Units,
by Boleslaw Petuch, E. Williams.

GERMAN, no per, Erd Oel & Kohle, Vol IX, No 3,
1956, pp 178-179.

37,296

Tech and Comm Tr

\$40.00

Sci - ~~APPROPRIATE~~ Engineering

~~APPROPRIATE~~

Aug 56 CIS/Dex

Gauging Volumetric Measuring of Mineral Oils by
Weight for Ships and Tankers, by O. Folk,

GERMAN, no per, Erd Oel & Kohle, Vol IX, No 3, 1956,
~~ISIX~~ pp 180-182.

Tech and Comm Tr

37,297

\$40.00

Sci - Engineering

Aug 56 CUS/Dex

The Drilling of Petroleum During 1955 in West
Germany, by E. Hatzahu

GERMAN, no per, Erdool and Kohle, Vol IX, No 4,
1956, pp 209-222.

Tech and Comm Tr \$140.00

Wbur - Germany
Economic
Nov 56 CTS

40,607

The Tectonics of the Oil Deposits of Reconcavo,
Bahia (Brazil)

GERMAN, no per, Erdoel und Kohle, Vol IX, No 4,
1956, pp 223-225.

Tech and Comm Tr \$50.00

LA - Brazil

~~Misconception~~

Economic

Sci - Fuels

Nov 56 CTS

40,608

New Developments in the Hydrocarbon Synthesis.
II. Fischer-Tropsch Synthesis in Liquid Medium,
by H. Koebel

GERMAN, no per, Erdoel und Kohle, Vol IX, No 4,
1956, pp 225-228.

Tech and Comm Tr \$60.00

Sci - Fuels
Nov 56 CTS

40,609

Contributions to the Study of the Reaction
Mechanism of the Cracking of Gaseous and Liquid
Hydrocarbons for the Production of Industrial
Gases, by M. Gerhold

GERMAN, no per, Erdöl und Kohle, Vol IX, No 4,
1956, pp 228-233.

Tech and Comm Tr \$90.00

Sci - Fuels
Nov 56 CTS

40,610

New Facts About the Hungarian Bitumens, by
L. Vajta

GERMAN, no per, Erdoel und d Kohle, Vol IX, No 4,
1956, pp 233-235.

Tech and Comm Tr \$70.00

EEur - Hungary
Economic - Fuels
Sci - Fuels
Nov 56 CTS

40,605

Separation of Hydrocarbon Mixtures by Carbamide
Adducts, by M. Freund

GERMAN, no per, Erdöl und Kohle, Vol IX, No 4,
1956, pp ~~241-245~~ 237-241

Tech and Comm Tr ~~\$75.00~~ \$100.00

Sci - Fuels
Nov 56 CTS

40,686

Rheologic Analysis of Lubricants, by R. Krause

GERMAN, no per, Erdoel und Kohle, Vol IX, No 4,
1956, pp 241-245.

Tech and Comm Tr \$75.00

Sci - Fuels
Nov 56 CTS

40,603

Geophysics and Petroleum Discovery in Germany,
by A. Bents

GERMAN, no por, Erdoel und Kohle, Vol IX, No 5,
1956, pp 278-280.

Tech and Comm Tr \$40.00

Sci - Geophysics
Nov 56 CTS

40,604

Remarks on the Construction of Plans
of the Lines of Depth at Strongly
Sloped Reflection Interfaces, by J.
F. Calaya, R. Kohler, 6 pp.
GERMAN, per, Erdol und Kohle-Erdgas-
Petrochemie, Vol 9, No 5, 1956, pp 289-293.
SLA TT-65-10195

336,324

Sci
Aug 67

The Possibility of Petroleum Deposits in the
Parana Basin (Brazil), by G. Mempel

GERMAN, no per, Erdöl und Kohle, Vol IX, No 5,
pp 1956, pp 299-303.

Tech and Comm Tr \$60.00

Sci - Fuels
LA - Brazil
Economic
Nov 56 CIB

40,599

New Developments in the Hydrocarbon Synthesis.
III. Synthesis of Hydrocarbons From CO and H₂O
Vapor (Steam), by H. Koelbel, P. Ackerman, Fr
Engelhardt

GERMAN, no per, Erdoel und Kohle, Vol IX, No 5,
1956, pp 303-307.

Tech and Comm Tr \$90.00

Sci - Fuels
Nov 56 CTS

40,600

Extraction, Adsorption, and Thermal Processes for
Sweetening Without Hydrogen, by P. W. Sherwood

GERMAN, no per, Erdoel und Kohle, Vol IX, No 5,
1956, pp 308-310.

Tech and Comm Tr \$60.00

Sci - Fuels
Nov 56 CTS

40,601

Determination of Partial Condensation in
Dephlegmators, by R. Riediger

GERMAN, no per, Erdoel und Kohle, Vol IX, No 5,
1956, pp 311-315.

Tech and Comm Tr \$100.00

Sci - Fuels
Nov 56 CTS

40,602

The Mineral Oil Industry, Its Present Position
in the World Industry and Its Future Outlook,
by J. W. Platt

GERMAN, no per, Erdöl und Kohle, Vol IX, No 6,
1956, pp 350-356.

Tech and Cosm Tr \$140.00

Wfur - Germany
Worldwide
Economic
Nov 56 CTM

#0, 686

(FDD 28937)

The New Oil and Gas Deposits in the Vienna Basin,
by H. Wieseneder, 23 pp.

GERMAN, no per, Erdöl und Kohle, Vol IX, No 6,
Hamburg, Jun 1956, pp 357-358.

CIA/FDD U-9100

Wsur - Austria

Econ -

Oct 56 CTS

4-07766

The Action of Molybdenum Disulphide As High
Pressure Addition to Anti-Friction Bearing Grease,
by Werner W. Kullmann, 10 p.

GERMAN, per, Erdöl und Kohle, 1956, Vol IX, No 6,
pp 380-382.

SLA 59-20846.

Bq1
Mar 60
Vol 3, No 1

110,967

Coal Extraction I. Extraction Processes and Influence of Coal Preparation, by C. Kroger, 17 pp.

GERMAN, per, Erdol u Kohle, No 7, 1956, pp 441-447.

SLA 57-2298

Jul 58

69, 940

On the Ketones of Low-Temperature Tar From Hard
Coals, by Alfred Jager, Gunter Kattwinkel, 3 p.

GERMAN, per, Partial trans, Erdol und Kohle, 1956,
Vol IX, No 7, pp 447-450.

SLA 59-20057

Sci
Mar 60
Vol 2, No 11

Raffination of Diesel Fuels by Catalytic
Hydrogenation, by F. Schmeling.

GERMAN, no per, Erd Oel und Kase Kohle, Vol IX,
No 7, 1956, pp 450-452.

Tech and Comm Tr
\$34.00

Sci - Chemistry; Fuels
CTS/dm: Jan 1957

42,017

Splitting of Hydrocarbons to Ethylene, by
H. Pietsch.

GERMAN, no per, Erdöl und Kohle, Vol IX, No 7,
1956, pp 453-455.

Tech and Comm Tr
\$45.00

Sci - Chemistry
CRS/dec Jan 1957

42,019

A Practical and Accurate Index for Determining
the Viscosity-Temperature Relationship for
Lubricants, by J. Cornelissen.

GERMAN, no per, Erdöl und Kohle, Vol IX, No 7,
1956, pp 456-458.

Tech and Comm Tr
\$17.00

Sci - Fuels
CRS/dex Jan 1957

462,018

On the Properties of Various Mineral Waxes and
Their Preliminary Compounds, by H. Lindeman.

GERMAN, no par, Erdoel und Kohle, Vol IX, No 7,
1956, pp 458, 459.

Tech and Comm Tr
\$25.00

Sci - Chemistry
CTS/dex: Jan 1957

42, 020

The Production of Viscous Crude Oils, by
R. Schwarz.

GERMAN, no par, Erdoel und Kohle, Vol IX, No 8,
1956, pp 511-516.

Tech and Comm Tr
\$40.00

Sci - Fuels
CTS/Gen Jan 1957

42,021

511+ 62-16477

The Coal Extraction. II. Influence of the Solvent,
the Carbonisation-Degree and the Temperature on the
Extraction, by Carl Kroeger.

GERMAN, no par, Erdöl und Kohle, Vol IX, No 8,
1955, pp 515-520.

Tech and Comm Tr

\$75.00

42,023

Sci - Chemistry; Heavy Min/Metals
CTS/dex Jan 1957

71-59-229

The Preparation of Vinyl Chloride by Chlorination
of Ethylene, by W. Chao.

GERMAN, no par, Erical und Kohle, Vol IX, No 8,
1956, pp 521-524.

Tech and Comm Tr
\$52.50

Sci - Chemistry
CTB/Doc Jan 1957

42,022

Experiences at the Determination of the Activity
of Cracking Catalysts by the "Cat-A-Test"
Method, by P. W. Schenk.

GERMAN, no par, Erdöl und Kohle, Vol IX, No 8,
1956, pp 524-527.

Tech and Comm Tr
\$30.00

Sci - Chemistry
CIS/docx Jan 1957

42,124

Corrosion Tests, by Bruno Wasser.

GERMAN, no par, Erdöl und Kohle, Vol IX, No 8,
1956, pp 530-534.

Tech and Comm Tr
\$40.00

Sci - Chemistry
CTB/dex Jan 1957

42,268

The Shell Oil Gasification Process and Its Application
to Industry, by Gattiker. UNCLASSIFIED

GERMAN, per, Erdoel und Kohle, 1957, pp 581-584.

Co-op Tr Scheme
Tr 867
(11.5.0)

Sci - Fuels
Apr 58

62,683

Schulze, G. A. and Trappe, H. J.
THE PLOTTING OF SALT FLANKS WITH SEISMIC
METHODS (Das Kartieren von Salzflanken mit
Seismischen Methoden). [1962] [8]p. (foreign text in-
cluded) 1 ref.

Order from SLA \$1.10

62-16524

Trans. of Erdöl und Kohle (West Germany) 1956, v. 9,
no. 9, p. 580-583.

DESCRIPTORS: *Geophysical prospecting, *Salts,
Deposits, *Stratigraphy, Test methods, *Seismic
waves.

(Earth Sciences--Seismology, TT, v. 9, no. 6)

62-16524

I. Schulze, G. A.
II. Trappe, H. J.

Office of Technical Services

Continuous Measuring of the Rate of Drilling, by
R. G. VanNostrand.

GERMAN, mo per, Erd Oel und Kohle, Vol IX, No 9,
1956, pp 583-587.

Tech and Comm
\$50.00

Sci - Eng
Jul 57

49, 262

Part I
Petrographic and Chemical Investigation of Posidoniem-
Slate, by H.R.V. Gaertner, Kroeplin.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 9,
1956, pp 588-592.

Tech and Comm
\$45.00

49,267

Sci - Chem
Jul 57

Producing Pure Acetylene From Gas Mixtures of
Low Acetylene Content by Means of Continuous
Gas Chromatography, by F. Benedek, Szepeszy.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 9,
1956, pp 593-596.

Tech and Comm
\$60.00

Sci - Chem
Jul 57

49, 261

Study of the Film Resistance of Lubricants in
Bearings, in Relation to Load and R.P.M., by
E. Terres, Morlock, Voelker,

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 9,
1956, pp Part I, pp 597-601; Part II, pp 690-696.

SLA INSDOC-T 2102

Tech and Comm

\$90.00

Sci - Fuels
Jul 57

49,263

On the Dependency of the Dielectric Strength of
Hydrocarbons on Pressure and Temperature, by
H. Luther, E. Staerk.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 9,
1956, pp 601-606.

Tech and Comm

\$70.00

Sci - Chem
Jul 57

49,264

Lubricants and Additives, by G. W. Thornley,

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 9,
1956, pp 606-613.

Tech and Comm
\$90,00

Sci - Fuels
Jul 57

49,266

Fireproof Steam-Turbine Lubricants, by E. Knoop.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 9,
1956, pp 613-616.

Tech and Comm
\$38.00

Sci - Fuels
Jul 57

49,265-

Concerning the Necessity of Information
On Porous Systems and Methods of Their
Investigation in Low-Temperature
Hydrogenation (LTH-Processes, by W. M.
~~MEYER~~ Greber.

GERMAN, per, Erdol und Kohle, Vol. ~~X~~ IX,
1956, pp 616-620.

Dept of Interior
(loan)

Sci

Vol. IV. No. 9

187,026

On the Results of Marking Oil Fields by Means
of Forcing in Radioactive Methane, by W. V.
Engelhardt, K. Mueller.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 10,
~~Moosx~~ 1956, pp 674-679.

Tech and Comm
\$75.00

Sci - Chem
Jul 57

49,268

Part II
Petrographic and Chemical Investigation of Posidonien-
Slate, by H.R.V. Gaertner, H. Kroepelin,

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 10,
1956, pp 680-682.

Tech and Comm
\$45.00

49,270

Sci - Chem
Jul 57

Producing Phthalic Anhydride From Petroleum,
by D. W. Sherwood.

GERMAN, mo per, Erd Oel und Kohle, Vol IX,
No 10, 1956, pp 683-685.

Tech and Comm
\$52.00

49,269

Sci - Chem
Jul 57

Study on Forced and Natural Aging of Unalloyed
Mineral Lubricants, by G. Spengler, H. O. Roessel.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 10,
1956, pp 686-689.

Tech and Comm

\$60.00

49,271

Sci - Fuels
Jul 57

The Technical Development of Oil Cleavage Process
for the Production of City Gas and Industrial
Gases, by M. Gerhold, Part I and Part II.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 11,
1956, pp 765-769; ~~no 12, 1956, pp 844-851.~~

Tech and Comm
\$75.00

Sci - ~~Eng~~ Fuels
EEur - Germany
Econ
Aug 57

50,996

Study of the Film Resistance of Lubrication Oils
in Bearings in Dependence of Stress and R.P.M.,
by E. Terres, et al.

GERMAN, mo per, Erd Oel und Kohle, Vol IX, No 11,
1956, pp 770-775.

Tech and Comm
\$70.00

Sci - Fuels
Aug 57

50,995

Chemical Products as Additives to Lubrication
Oils, by R. S. Aries, et al.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 11,
1956, pp 775-778.

Tech and Comm
\$45.00

Sci - Chem; Fuels
Aug 57

50,975

Tectonics of the Oil Fields Near the Persian Gulf,
by A. Heim,

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 12,
1956, pp 829-832.

Tech and Comm
\$31.50

50,997

Sci - Geophysics, geology
Aug 57

Basic Problems at the Quantitative Evaluation
of Electric Borehole Diagrams, by E. Blum.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 12,
1956, pp 834-836.

Tech and Comm
\$38.50

Sci- Eng
Aug 57

- 50,990

A New Instrument for the Geologist in Oil Fields --
The Boring Core Sample Indicator,

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 12,
1956, pp 837-838.

Tech and Comm
\$28.00

50,992

Sci - Eng
Aug 57

Coal Extraction. IV. Behavior of Various Bands
and Structural Components (Minerals), by C. Kroger,
17 pp.

GERMAN, per, Erdol u Kohle, Vol XII, 1956,
pp 839-843.

SIA 57-2297

Jul 58

69, 941

The Crude From Sonde II of the New Egyptian Oil
Field Balayin, by W. Machu, F. El. Zahaby.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 12,
1956, pp 852-853.

Tech and Comm
\$24.50

Sci - Fuels, petroleum
Aug 57

50,991

Selection and Upraising of Gum Inhibitors and Metal-
Deactivators for Motor ~~Kerosene~~ Fuels, by E. G.
Noltes.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 12,
1956, pp 853-857.

Tech and Comm
\$59.00

Sci - Fuels; Chem
Aug 57

50,993

Modern Filtration Method in Petroleum Refineries,
by C. Vonderheide.

GERMAN, no per, Erd Oel und Kohle, Vol IX, No 12,
1956, pp 861-863.

Tech and Comm
\$28.00

Sci- Fuels, petroleum
Aug 57

50,986

Notze, E. G.

ON THE SELECTION AND EVALUATION OF GUM
INHIBITORS AND METAL DEACTIVATORS FOR FUELS.
9p (18g Zircos omitted)
Order from SLA \$1.10

TT-64-18383

Trans. of [Erdöl und Kohle -Erdgas-Petrochemie]
(West Germany) 1956, v. 9, no. 12, p. 853-857.

(Materials--Fuels, TT, v. 12, no. 7)

TT-64-18383

I. Notze, E. G.

Marsal, D[ietrich].
COMPUTATION OF [WATER FLOODING OF] PETRO-
LEUM RESERVOIRS IN UNDIMENSIONAL APPROXI-
MATION. 1. FUNDAMENTALS [Die Berechnung der
Verwässerung von Erdöllagerstätten in Eindimensionalen
Näherung. 1. Teil: Grundlagen]. [1962] [19]p. 2 refs.
Order from SLA \$1.60 62-16646

Trans. of Erdöl und Kohle (West Germany) 1957, v. 10,
no. 2, p. 61-65.

DESCRIPTORS: *Petroleum, Sources, *Hydraulic
reservoirs, Hydraulic accumulators, Permeability,
Water injection, Hydrology, Mathematical analysis,
Geophysical prospecting.

(Engineering--Chemical, TT, v. 9, no. 6)

62-16646

I. Marsal, D.

Office of Technical Services

A VT-Homogram for Dynamic and Kinematic Viscosity of
Mineral Oils in the Temperature Range From 20°C to
150°C, by Wilhelm Schwebke, 14 pp.

GERMAN, per, Erdoel und Kohle, Vol X, No 2, 1957,
pp 75-79.

SIA 59-10593

Sci • Chem
Sep 59
Vol 2, No 1

97, 273

Marsal, Dietrich.
COMPUTATION OF WATER FLOODING OF PETRO-
LEUM RESERVOIRS IN UNIDIMENSIONAL APPROXI-
MATION. II. THE TRANSFER OF LABORATORY
DERIVED RELATIONSHIPS TO THE FIELD (Die
Berechnung der Verwässerung von Erdöllagerstätten in
Eindimensionaler Näherung. 2. Teil: Die Übertragung
der im Laboratorium Gewonnenen Beziehungen auf das
Feld). [1962] 126p. (foreign text included) 1 ref.
Order from SLA \$2.60 62-16647

Trans. of Erdöl und Kohle (West Germany) 1957, v. 10,
no. 3, p. 141-146.

DESCRIPTORS: *Petroleum, Sources, *Hydraulic
reservoirs, Hydraulic accumulators, Permeability,
Water injection, Hydrology, Mathematical analysis,
Geophysical prospecting.

(Engineering--Chemical, TT, v. 9, no. 6)

62-16647

I. Marsal, D.

Office of Technical Services

Concerning the Question of Analysis of a Brown-
Coal-Tar Paraffin Oil With Selective Solvents,
by Erich Gundermann.

GERMAN, per, Erdoel und Kohle, Vol X, 1957,
pp 151-157.

Dept of Interior
TN7, E57, No 174

Sci - Chem
Jan 60
Dec

105,039

Marsal, Dietrich.
THE FLOODING OF THE WELLS (Die Berechnung der
Verwässerung von Erdöllagerstätten in Eindimension-
aler Näherung. 3. Teil: Die Verwässerung der Sonden).
Pt. 3 of Computation of Water Flooding of Petroleum
Reservoirs in Unidimensional Approximation. [1962]
[16]p. (foreign text included) 2 refs.
Order from SLA \$1.60 62-16648

Trans. of Erdöl und Kohle (West Germany) 1957, v. 10,
no. 4, p. 218-221.

DESCRIPTORS: *Petroleum, Sources, *Hydraulic res-
ervoirs, Moisture, Water, *Hydrology, Fluid flow,
Water injection, Mathematical analysis.

(Engineering--Chemical, TT, v. 9, no. 3)

62-16648

I. Marsal, D.

II. Title: Computation...

Office of Technical Services

Concerning the Question of Analysis of A Brown-
Coal-Tar-Paraffin-Oil With Selective Solvents,
II, by A. E. ~~HEINE~~ Gundersmann.

GERMAN, per, Erdol und Kohle, Vol X, 1957,
pp 228-231.

Dept of Interior

Sci
Feb 62
Vol III, No 11

182,784

61-10495

Stinsky, Fritz.
TITRIMETRIC DETERMINATION OF DISSOLVED
SULFUR IN MINERAL OILS AND FATS
(Titrimetrische Bestimmung von Gelöstem Schwefel in
Mineralölen und Fetten). [1960] 4p. 1 ref.
Order from SLA ml\$1.80, ph\$1.80 61-10495

Trans. of Erdöl und Kohle (West Germany) 1957, v. 10,
no. 4, p. 231.

A titrimetric method of analysis, which is a suitable
substitute for the method previously used for deter-
mination of the so-called "active" sulfur in mineral
oil, fat and similar products, is described. While the
methods hitherto used did not yield results until after
24 hours at the earliest, the titration method produces
results within one hour, with at least as much accu-
racy, as indicated by the check analyses. (Author)

(Chemistry--Analytical, TT, v. 5, no. 7)

1. Sulfur--Determination
 2. Fats--Chemical analysis
 3. Mineral oils--Chemical
analysis
- I. Stinsky, F.

148,521

Office of Technical Services

Gear Failures, Their Cause and the Influence of
Lubrication, by E. Knoop,

GERMAN, per, Erdol und Kohle, Jan-Apr 1957, pp 238-243,
9072290.

ACSIL No 1038

Sci

Nov 60

131,429

Use of the Interference Microscope to
Evaluate Wear Studies with teh Four-
Ball Machine, by H. Determann.

GERMAN, per, Erdol und Kohle-Erdgas
Petrochemie, Vol X, No 5, 1957, p 303=305.
SLA TT 64-20238

Apr 67

323,140

TT-64-16899

Kühnhanss, Gerhard, Rösner, Hedwig, Hünig,
Erhard, Wagner, Manfred, and Tischendorf,
Gottfried.

CONTRIBUTION TO THE ANALYSIS OF HYDRO-
CARBON MIXTURES. PT. I. SEPARATION OF A
DIESEL-OIL FRACTION FROM THE LOW-TEMPER-
ATURE HYDROGENATION STRIPPER AND DETER-
MINATION OF THE MATERIALS CONTENTS. Paper
presented at the Annual Conference of the Deutschen
Gesellschaft für Mineralölwissenschaft und
Kohlechemie, Goslar, 4 Oct 56. 8p 6reft
Order from SLA \$1.10

TT-64-16899

Trans. of [Erdöl und Kohle-Erdgas Petrochemie] (West
Germany) 1957, v. 10 [no. 6] p. 372-375.

(Materials--Fuels, TT, v. 12, no. 5)

- I. Kühnhanss, G.
- II. Rösner, H.
- III. Hünig, E.
- IV. Wagner, M.
- V. Tischendorf, G.
- VI. Title: Separation ...

Office of Technical Services

61-10481

Meys, Jan Andries, Waterman, Hein Israel, and
Krevelen, Dirk Willem van.

MODIFICATIONS IN THE REFRACTIVE INDEX AND
DENSITY OF HYDROCARBONS DURING HYDROGENA-
TION AND ISOMERIZATION (Aenderung des
Brechungsindex und der Dichte von Kohlenwasserstoffen
beim Hydrieren und Isomerisieren). [1960] [10]p.
19 refs.

Order from S LA ml\$1.80, ph\$1.80

61-10481

Trans. of Erdöl und Kohle (West Germany) 1957,
v. 10, no. 7, p. 428-429.

Refractive indexes and densities change when olefins
and aromatics are hydrogenated or when saturated hy-
drocarbons are isomerized; the change in refractive
index divided by the change in density is the same for all
for hydrogenation and -0.45 for isomerization. As
example, the hydrogenation of crude, an anthracene oil, and a
p. 6. saturation and isomerization occurring during
hydrogenation of aromatics can be determined from a
refractive index vs. density curve plotted during the
process. (Author)

1. Hydrocarbons--Refractive
properties
2. Hydrocarbons--Isomerism
3. Ethylenes--Hydrogenation
1. Meys, J. A.
- II. Waterman, H. I.
- III. Krevelen, D. W. van

148,517

Office of Technical Services

(Chemistry--Organic
IT, v. 5, no. 7)

APR 59

Comments on the Economy of Poor-Gas Production,
by D. Wagener.

GERMAN, per, Erdol und KHM Kohle, Vol X, No 7,
1957, pp 430-433.

Dept of Int
US Bur of Mines
Appalachian Exp Sta
Morgantown, W Va.

Dept of Int
US Bur of Mines
C. of B. & I. Bureau
Coal Res
7060

ESur - Germany

Econ

Apr 59

84,755

Kühnhanse, Gerhard, Rösner, Hedwig and others.
CONTRIBUTION TO ANALYTICAL METHODS FOR
HYDROCARBON MIXTURES. II. DEVELOPMENT OF
A METHOD OF RAPID ANALYSIS (Beitrag zur
Analytik von Kohlenwasserstoffgemischen). [1960]

[27]p. 1 ref.

Order from SLA in \$2.70, ph \$4.80

61-10480

Trans. of Erdöl und Kohle (West Germany) 1957, v. 10,
no. 7, p. 433-441.

Methods are described by means of which multiconstituent mixtures such as occur in petroleum oils and in fuels and lubricants obtained by hydrogenation can be characterized by just two characteristic constants, the density and the index of refraction. The method thus broadly meets the requirement of the industrial chemist for controlling the course of production by a quick, simple means which make minimum demands on the technical personnel. Homograms for the evaluation of specific industrially-produced fractions are included.
(Author)

61-10480

- I. Hydrocarbons--Refractive properties
2. Petroleum--Chemical analysis

- I. Kühnhanse, G.
- II. Rösner, H.
- III. Title: Development...

148,516

Office of Technical Services

(Chemistry--Analytical,
TT, v. 5, no. 7)

Janak, Jaroslav.
NEW METHODS OF GAS ANALYSIS BY GAS CHRO-
MATOGRAPHY (Neue Wege der Gasanalyse mit
Gaschromatographie). Lecture delivered at Gas
Colloquium, Hamburg, 14-16 Nov 56. [1960] [16]p.
18 refs.
Order from SLA m\$2.40. ph\$3.30 61-10479

Trans. of Erdöl und Kohle (West Germany) [1957]
v. 10, no. 7, p. 442-444.

151434

(Chemistry--Analytical, TT, v. 5, no. 8)

61-10479

- I. Gases--Chromatographic analysis
- I. Janak, J.
- II. Title: Gas Colloquium...

Office of Technical Services

Changes In Heavy Duty Diesel Motor Oils With
Use and Their Significance For the Practice Of
Oil Changing and the Testing Of Lubricating Oils
by N. Kendall and L. J. Richards.

GERMAN, per, Erdoe1 Und Kohle, Vol X, No 7, 1957,
pp 444-449.

CSIRO

Oct. 62

A Simple Method of Chromatographic Analysis of
Lubricating Oil Fractions, by G. Schwarz,

GERMAN, per, Erdöi and Kohle, Vol IX, 1957, pp 558-
592, 9072299.

ACSIL No 1257

Sci

Nov 60

131,434

Shell Oil Gasification Process and Its Application
to Industry, by Gattiker.

GERMAN, per, Erdoel und Kohle, 1957, pp 581-584.

GFC

C.S.I.R.O.

Sci

May 60

115, 764

The Use of Phase Separation Methods for Demineralizing
Athabasca Bituminous Sands, by E. Weingaertner, et al.

GERMAN, par, Erdol u Kohle, Vol X, No 9, 1957, pp
584-587.

ATS 16J19G
ATS 124-GJ

Sci
May 59

87,247

A Simple Method for Chromatographic Separation of Lubricating Oil Fraction, by G. Schwartz.

GERMAN, per, Erdoel und Kohle, Vol X, 1957, pp 588-592.

CSIRO

Sci - Fuels
Oct 61

171,364

The CH_3 Mass Spectrometer, by L. Jenchal, 6 pp.

GERMAN, per, Erdol u Kohle, Vol X, No 10, 1957,
pp 675-677.

SLA 58-207

Sci

Aug 59

94,135

Engelhardt, Wolf v[on] and Lübben, Heino.
STUDY OF THE INFLUENCE OF INTERFACIAL
STRESS AND CONTACT ANGLE ON THE DIS-
PLACEMENT OF OIL BY WATER IN POROUS
MATERIALS. I. THEORETICAL PRINCIPLES AND
PERFORMANCE OF TESTS. [1962] 19p. 15 refs.
Order from SLA \$1.60 62-14556

Trans. of Erdöl und Kohle (West Germany) 1957, v. 10,
no. 11, p. 747-752.

Another trans. is available from ATS \$18.50 as
ATS-87L35G [1960] 12p.

DESCRIPTORS: *Porous materials, *Oils, Sources,
*Water injection, Stresses, Fluid flow, Theory, Test
methods, Tests.

(Earth Sciences, TT, v. 10, no. 6)

62-14556

I. Engelhardt, W. von
II. Lübben, H.

Office of Technical Services

Schindler, Klara.
EXTENSION OF THE FLUORESCENT INDICATOR
ADSORPTION (FIA) METHOD FOR DETERMINATION
OF THE FOUR MAIN HYDROCARBON GROUPS OF
GASOLINES. 10p 10refs.
Order from SLA \$1.10

TT-64-18518

Trans. of Erdöl und Kohle [-Erdgas Petrochemie]
(West Germany) 1957, v. 10 [no. 11] p. 754-757.

(Materials--Fuels, TT, v. 12, no. 7)

TT-64-18518

I. Schindler, K.

Marsal, Dietrich.

THE MATHEMATICAL TREATMENT OF WATER
FLOODING OF PETROLEUM RESERVOIRS (Die
Mathematische Behandlung der Verwässerung von
Erdöllagerstätten). Lecture presented to the German
Association for Petroleum Science and Coal Chemis-
try (annual meeting) Berlin, 11 Oct 57. [1962][7]p.
(foreign text included).

Order from SLA \$1.10

62-16472

Trans. of Erdöl und Kohle (West Germany) 1957,
v. 10, no. 12, p. 825-826.

DESCRIPTORS: *Petroleum, *Hydraulic reservoirs,
*Water injection, Numerical analysis.

(Engineering--Chemical, TT, v. 8, no. 7)

62-16472

I. Marsal, D.

II. Title: German ...

Office of Technical Services

Investigations of the Influence of Interfacial
Tension and Contact Angle Upon the Displacement of
Oil by Water in Porous Bodies, by W. Van Engelhardt,
N. Lubben, ^{VON}

GERMAN, per: Erdoel u Kohle, Vol X, No 12, 1957,
pp 826-830.

ATS 116-CJ

OTS 62-1435

Sci

May 59

87, 242

Production Of Olefinic Gases By Cracking Hydrocarbons by H. Pietsch.

GERMAN, per, Erdoel Und Kohle, Vol. X, No 12, 1957, pp 838-840.

CSIRO

Oct. 62

Jenckel, Ludolf.

THE CH 3 MASS SPECTROMETER. [1958] 6p
Order from SLA \$1.10 TT-63-16399

Trans. of Erdöl und Kohle-[Erdgas-Petrochemie]
(West Germany) 1957, v. 10, no. 10, pp 646-657.
Also available from SLA as 58-267.

DESCRIPTORS: *Mass spectroscopy, *Spectrum
analyzers, Gas flow, Ion sources, Recording systems.

Several improvements and new developments are
reported for the Atlas CH 3 mass spectrometer, which
have extended or promise to extend the analytical appli-
cations of this apparatus considerably. They have to do
with the gas inlet system and the gas flow through the
mass spectrometer, measures to increase the resolving
power, and a new recorder with the highest recording
speed. (Author)
(Physics--Spectroscopy, TT, v. 11, no. 4)

TT-63-16399

I. Jenckel, L.

Office of Technical Services

Recent Investigations of the Problem of Heavy-Oil
Recovery From Sand Deposits, Part 1, Recovery by
Mining and Flooding, by C. Schmid.

GERMAN, per, Erdol u Kohle, Vol XI, No 1, 1958,
pp 6-11.

ATS 90X24G

ATS 122-GJ

Sci

May 59

87, 245

Fruend, Michael and Vajta, Sophie.
ELECTRON MICROSCOPICAL STUDY OF THE STRUCTURE OF ASPHALT. [1960] [11]p. (11 figs. omitted)
20 refs.

Order from SLA ml\$2.40, ph\$3.30 61-10494

Trans. of Erdöl und Kohle (West Germany) 1958, v. 11
[no. 1] p. 13-18.

The colloidal structure of asphalt samples was investigated through electron microscope pictures of metal replicas. Plates were prepared by dissolving an asphalt sample (or, occasionally, melting the asphalt without a solvent), then treating with gold-aluminum vapors to create a replica of the asphalt surface, which is then photographed. [The omitted] figures show variations in surface structure of asphalts in sol state, in gel state and in transition states. Chemical and rheological data were employed to check the results.
(Author)

(Materials, TT, v. 5, no. 7)

61-10494

1. Asphalt--Structural analysis
2. Electron microscopy--Applications

- I. Fruend, M.
- II. Vajta, S.

148,520

Office of Technical Services

Recent Investigations of the Problem of Heavy-Oil
Recovery From Sand Deposits, Part II, Use of Heat
and Solvents, by C. Schmid.

GERMAN, per, Erdol u Kohle, Vol XI, No 2, 1958,
pp 72-75.

ATS 89K24G

ATS 123-GJ

SHA 63-18552

SHA 63-18817

87,246

Sci
May 59

Determination Of Small Amounts Of Oxygen,
Carbon Monoxide, Methane, and Nitrogen In High
Purity Ethylene by Means Of Gas Chromatography by
H. Pietsch.

GERMAN, per, Erdoel Und Kohle, Vol XI, No 3, 1958,
pp 157-159.

CSIRO

Oct. 62

Spectroscopic Determination of Traces of Arsenic in
Naphtha Reformate, by F. Wagner, R. Vitt, 3 pp.

GERMAN, per, Erdol und Kohle, Vol XI, No 7,
1958, pp 460-461.

SLA 59-10178

Sci - Chem
Sep 59
Vol 2, No 2

97972